

WHAT IS CLAIMED IS:

- Sub
part
1. A collection container assembly comprising:
 an elongate tubular housing having opposed first and second ends and
 a cylindrical wall therebetween defining a tubular interior; and
 a solid partition positioned within said housing between said first and
 second ends;
 said housing defining a volume for specimen collection therein
 between said first end and said partition,
 said second end being reconfigured into at least a partially arcuate
 shape to provide said specimen collection tube with at least a partially rounded end.
 2. The assembly of Claim 1, wherein said second end is open to an
 interior portion of said housing.
 3. The assembly of Claim 1, wherein said second end is closed to define a
 fully rounded end.
 4. The assembly of Claim 1, wherein said partition is integral with said
 housing.
 5. The assembly of Claim 1, wherein said partition is arcuate in shape to
 provide said volume for specimen collection with at least a partially rounded bottom
 portion.
 6. The assembly of Claim 1, wherein said partition is conical in shape.

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7. The assembly of Claim 1, wherein said housing is a thermoplastic polymer.

8. The assembly of Claim 7, wherein said thermoplastic polymer is polyethylene terephthalate, polypropylene, polyethylene naphthalate, polyvinyl chloride or copolymers thereof.

9. The assembly of Claim 1, wherein said housing comprises an outer diameter, a length and an internal volume, wherein said outer diameter is about 13 to about 16 millimeters, said length is about 75 to about 100 millimeters and said internal volume is about 1 to about 3 milliliters.

10. A method of providing a collection container assembly with an arcuate shaped end comprising:

providing an elongate tubular housing having opposed first and second ends and a cylindrical wall therebetween defining a tubular interior;

providing a solid partition within said housing between said first and second ends; and

reconfiguring one of said ends into at least a partially arcuate shape.

11. The method of Claim 10, wherein said housing is a thermoplastic polymer.

12. The method of Claim 11, wherein said thermoplastic polymer is polyethylene terephthalate, polypropylene, polyethylene naphthalate, polyvinyl chloride or copolymers thereof.

13. The method of Claim 11, wherein said reconfiguring step further includes

inserting one of said ends into a forming tool having an arcuate shaped recess; and applying a force to said housing to cause said one of said ends to conform to the shape of said arcuate shaped recess.

14. The method of Claim 13, wherein said forming tool is heated prior to inserting one of said ends therein.

15. The method of Claim 14, wherein said forming tool is heated to a temperature of about 40°C to about 125°C.

16. The method of Claim 11, wherein said force is applied at a pressure of about 25 to about 400 pounds per tube.

17. The method of Claim 11, wherein said force is applied for a period of about 3 to about 7 seconds.

18. The method of providing a collection container assembly with an arcuate shaped end comprising:

forming an elongate tubular housing having opposed first and second ends and a cylindrical wall therebetween defining a tubular interior;

positioning a solid partition within said housing between said first and second ends;

inserting one of said ends into a heated forming tool having an arcuate shaped recess; and

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applying a force to said housing to cause said one of said ends to conform to the shape of said arcuate shaped recess.

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